

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	9	((("6252667") or ("6295171") or ("4258468") or ("6313918") or ("5933216") or ("5674414") or ("6040552") or ("6037564") or ("60387911") or ("4447291")).PN.	USPAT; USOCR	OR	OFF	2007/11/01 13:15
S2	1	("6387911").PN.	USPAT; USOCR	OR	OFF	2005/08/24 10:59
S3	0	"60387911"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 10:59
S4	0	"60387911".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 11:01
S5	4	"387911".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 11:01
S7	89	gross.in. and laser.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 11:03
S8	0	gross.in. and laser.clm. and "387911".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 11:07
S9	0	"DYNAMIC, MULTI-PASS, ACOUSTO-OPTIC BEAM SPLITTER & DEFLECTOR\$9".ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 11:07

S10	3	laser with (mirror near5 array) with (independ\$9 near5 steer\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 14:51
S11	4	laser same ((mirror near5 array) with (independ\$9 near3 (steer\$5 tilt\$5 position \$5)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 08:41
S12	1713	laser same (acousto \$11 near5 deflect\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 15:10
S13	693	laser same ("acousto optical" near5 deflect \$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 15:11
S14	104	laser same ("acousto optical" near5 deflect \$5) same split\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 15:16
S15	1	laser same ("acousto optical" near5 deflect \$5) same split\$5 same (independent\$5 near5 direction )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/24 15:17
S16	33	laser same ("acousto optical" near5 deflect \$5) same split\$5 same direction	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 07:39
S17	31	((("6483071") or ("6515257") or ("5404247") or ("5948288") or ("5408553") or ("6233044") or ("3594081") or ("5055653") or ("5302798") or ("5973290") or ("6184490") or ("6573473") or ("6172331") or ("6491361") or ("6566627") or ("4038108") or ("5789121") or	USPAT; USOCR	OR	OFF	2005/08/25 07:41

		("5614114") or ("5841099") or ("5593606") or ("3594081") or ("5676866") or ("5690845") or ("5948291") or ("6058132") or ("6420675") or ("6011654") or ("4838631") or ("4950862") or ("5113055") or ("5585019") or ("6310701")).PN.				
S18	2	"20030019854"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 07:42
S19	2	"20030168434"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 07:42
S20	35	S17 S18 S19	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 07:42
S21	419	laser same aod	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 08:41
S22	23	S21 and (mirror near9 array)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 08:43
S23	1	S21 and ((mirror near9 array) with split\$7)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 08:46
S24	18	S21 and ((mirror near9 array) and (plural\$5 near5 beam))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 08:54

S25	19	S21 and ((mirror near9 array) and (split\$5 with beam))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 10:44
S26	1577	219/121.7, "121.71", "121.76", "121"".""77". ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 10:45
S27	1577	219/121.7, "121.71", "121.76", "121.77". ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 10:45
S28	528	219/121.7.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 10:45
S29	660	219/121.71.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 10:45
S30	364	219/121.76.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 10:45
S31	345	219/121.77.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 10:45
S32	1576	S28 S29 S30 S31	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 10:46
S33	23	S32 and ((mirror near5 array\$3) with (laser beam))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/25 10:47
S34	5447	(plural\$5 near5 (laser beam) with split\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/23 12:36

S35	294	S34 and ((independent \$4 individual\$4) near5 (steer\$4 focus\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/23 12:37
S36	68	S35 and (mov\$4 with (optic\$4 element) with focus\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/23 12:38
S37	28	S36 and ((array\$4 simultaneous\$4) with (plural\$4 multiple) with beam)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 09:40
S38	2	"20050056626"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 09:27
S39	2	S38 and (theta "f theta")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 09:28
S40	5455	(plural\$5 near5 (laser beam) with split\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 09:31
S41	294	S40 and ((independent \$4 individual\$4) near5 (steer\$4 focus\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 09:54
S42	68	S41 and (mov\$4 with (optic\$4 element) with focus\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 09:31
S43	28	S42 and ((array\$4 simultaneous\$4) with (plural\$4 multiple) with beam)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 09:31
S44	9	S43 and ((depend\$5 independ\$5) near3 focus\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 09:35

S45	2	S44 not (theta "f theta")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 09:36
S46	7	S44 and (theta "f theta")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 09:37
S47	5	S44 and (theta "f theta") adj3 lens	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 09:37
S48	4	S44 not (theta "f theta") adj3 lens	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 11:58
S49	289	S41 not ((theta "f theta") adj3 lens)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 09:39
S50	154	S41 and ((array\$4 simultaneous\$4) with (plural\$4 multiple) with beam)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 09:43
S51	3007	((array\$4 simultaneous \$4) with (plural\$4 multiple) with (laser beam) with (imping\$4 deliver\$4 strik\$4 focus \$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 09:50
S52	64	S51 and ((laser beam) with (imping\$4 deliver \$4 strik\$4 focus\$4) with (hole aperture aperture drill\$4 punch \$4 opening) with (board substrate circuit pcb pc))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 09:53

S53	71	S51 and ((laser beam with (imping\$4 deliver \$4 strik\$4 focus\$4) with (hole aperture aperture drill\$4 punch \$4 opening machin\$4) with (board substrate circuit pcb pc))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 09:57
S54	24	S53 and ((laser beam \$3) with (independent \$4 individual\$4) near5 (steer\$4 focus\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 09:56
S55	19	S54 not S47	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 09:55
S56	11	S55 and (laser with (independent\$4 individual\$4 steer\$4 focus\$4) with (imping \$4 deliver\$4 strik\$4 focus\$4 hole aperture aperture drill\$4 punch \$4 opening machin\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 11:36
S57	2	S56 and (mov\$4 near5 (optic\$4 lens))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:51
S58	2	((("6515257") or ("5463200")).PN.	USPAT; USOCR	OR	OFF	2007/11/01 13:21
S59	2	laser with defin\$7 near5 (theta "f theta") adj3 lens	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 11:59
S60	248	independ\$7 with optic \$7 near focus\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:23
S61	57	S60 same laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:24

S62	18	S61 and ((laser beam) near2 (plural\$5 multiple array\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:30
S63	56	S60 and ((laser beam) near2 (plural\$5 multiple array\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:25
S64	6	S63 and independ\$7 near2 steer\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:32
S65	0	S60 and independ\$7 near2 steer\$4 not S64	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:33
S66	104	(laser with (optic mirror mma)) and (independ\$7 near2 steer\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:34
S67	98	S66 not S64	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:34
S68	58	(laser with (optic mirror mma)) and ((laser beam) with (independ\$7 near2 steer\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:34
S69	35	(laser with (optic mirror mma)) and ((laser beam) with (independ\$7 near2 steer\$4) with (optic mirror mma))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:34
S70	29	S69 not S64	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:35
S71	0	S70 and mma	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:35



S72	4	S70 and mirror near array\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:35
S73	5786	(plural\$5 near5 (laser beam) with split\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:52
S74	315	S73 and ((independent \$4 individual\$4) near5 (steer\$4 focus\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:52
S75	71	S74 and (mov\$4 with (optic\$4 element) with focus\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:52
S76	31	S75 and ((array\$4 simultaneous\$4) with (plural\$4 multiple) with beam)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:52
S77	10	S76 and ((depend\$5 independ\$5) near3 focus\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:52
S78	6	S77 and (theta "f theta") adj3 lens	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:52
S79	3192	((array\$4 simultaneous \$4) with (plural\$4 multiple) with (laser beam) with (imping\$4 deliver\$4 strik\$4 focus \$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:52
S80	75	S79 and ((laser beam) with (imping\$4 deliver \$4 strik\$4 focus\$4) with (hole aperture aperture drill\$4 punch \$4 opening machin\$4) with (board substrate circuit pcb pc))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:52

S81	26	S80 and ((laser beam \$3) with (independent \$4 individual\$4) near5 (steer\$4 focus\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:52
S82	20	S81 not S78	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:52
S83	12	S82 and (laser with (independent\$4 individual\$4 steer\$4 focus\$4) with (imping \$4 deliver\$4 strik\$4 focus\$4 hole aperture aperture drill\$4 punch \$4 opening machin\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:52
S84	2	S83 and (mov\$4 near5 (optic\$4 lens))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:52
S85	2	S84 and focus	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:53
S86	0	S84 and focus\$3 with (fig figure)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:58
S87	40	((electrostatic near3 (lens\$4 multipole)) with optic\$4) same laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:01
S88	1	((electrostatic near3 (lens\$4 multipole)) with optic\$4) and (laser with beamlet)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:00
S89	110	((electrostatic near3 (lens\$4 multipole)) with optic\$4) and (laser adj beam)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:00

S90	17	((electrostatic near3 (lens\$4 multipole)) with optic\$4) same laser adj beam	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:11
S91	2	S90 and lens with focus	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:29
S92	100	"f-theta" with optic\$4 with laser with focus\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:13
S93	0	"f-theta" with optic\$4 with laser with focus\$4 with defin\$9	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:14
S94	21	"f-theta" with optic\$4 with defin\$9	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:15
S95	24	"f-theta" with defin\$9 not S94	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:16
S96	1	"f-theta" with definition not S94	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:16
S97	31	adjust\$4 with (beamlet "sub-beam" "sub- beams") with independently	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:30
S98	0	S97 same (optic\$4 near4 lens\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:31
S99	28	S97 same (optic\$4 lens \$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:31

S100	7	S97 same optic\$4 same lens\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:33
S101	21	S99 not S100	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:44
S102	10	S101 and focus\$5 with convex	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:46
S103	100	array\$4 and focus\$5 and convex and lens\$4	JPO	OR	ON	2007/05/11 12:46
S104	0	mma and focus\$5 and convex and lens\$4	JPO	OR	ON	2007/05/11 12:47
S105	18	plural\$4 with laser and focus\$5 and convex and lens\$4	JPO	OR	ON	2007/05/11 12:47
S106	2	((("6515257") or ("5463200")).PN.	USPAT; USOCR	OR	OFF	2007/11/01 13:22
S107	2	S106	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/01 13:22
S108	1	S107 and focus\$4 near2 independent\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/01 13:23
S109	35	lens with convex with f adj theta	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/01 13:23

4/29/2008 12:42:38 PM

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